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NOTES AND NEWS.

It is hoped that readers of the **MONTHLY** will cooperate in contributing to the general interest of this department by sending items to the Editor-in-Chief.

Miss JESSIE M. SHORT, formerly of Carleton College but recently with the National Workmen's Compensation Service Bureau of New York, has been appointed instructor in mathematics at Reed College.

R. A. WELLS, dean and professor of mathematics at Park College, Missouri, has been appointed associate professor of mathematics in the Michigan State Normal College.

Dr. H. F. MACNEISH, instructor in mathematics at the College of the City of New York, has been promoted to an assistant professorship.

Mr. B. D. ROBERTS has been appointed professor of mathematics at Parsons College, Fairfield, Iowa.

Instructor C. D. EHRMAN, of the University of Wisconsin (1920, 88), has been appointed assistant professor of mathematics at Richmond College.

Mr. A. S. ADAMS, Mr. T. H. JOHNSON, and Mr. W. L. LUCAS have been appointed instructors in mathematics at the University of Maine.

Professor I. L. MILLER, of Carthage College, Illinois, has been appointed associate professor of mathematics at the South Dakota State College.

Miss FRANCES B. HATCHER has been appointed associate professor of mathematics at Westhampton College, Richmond, Va.

S. L. BOOTHROYD, associate professor of mathematics and astronomy at the University of Washington, is spending the year at the Lick Observatory. He has been appointed to succeed Professor O. M. LELAND as professor of astronomy and geodesy at Cornell University and his duties are to commence in September, 1921.

Assistant Professor HILLEL HALPERIN, of the University of Arkansas, has been appointed to an associate professorship at the Texas Agricultural and Mechanical College.

Dr. TOBIAS DANTZIG, of Johns Hopkins University, has resigned to undertake mathematical research for an engineering company in New York City.

Popular Astronomy announces that at Carleton College, Dr. H. C. WILSON has been relieved for the present college year of his duties as professor of mathematics and astronomy and expects to spend part of the time in research at Mt. Wilson Observatory. Dr. E. A. FATH, formerly of Mt. Wilson Observatory, and later professor of astronomy in Beloit College, has been appointed in his place; he is also associated with the editorial work of *Popular Astronomy*.

At Purdue University, Assistant Professor W. A. ZEHRING has been promoted to an associate professorship, instructors C. T. HAZARD, C. K. ROBBINS, and Dr. G. H. GRAVES have been promoted to assistant professorships, and Dr. E. M. BERRY, W. H. FRAZIER, W. R. HARDMAN, and J. A. NEEDY have been appointed instructors.

At the University of North Carolina, Professor WILLIAM CAIN has been retired from active teaching after thirty-one years of service, and Professor ARCHIBALD HENDERSON (1919, 165, 208) succeeds him as head of the department of mathematics; Assistant Professors A. W. HOBBS and J. W. LASLEY, Jr., have been promoted to associate professorships.

At the University of Kentucky, Mr. W. E. PAYNE has been appointed instructor in mathematics.

Professor D. A. ROTHROCK has been elected dean of the College of liberal arts of Indiana University.

Mr. H. H. CONWELL, associate professor of mathematics in the University of Idaho, has resigned to accept a similar position in Beloit College.

Professor C. B. RIDGAWAY, head of the department of mathematics at the University of Wyoming, has retired after twenty-four years of service.

Professor J. M. TAYLOR, of Colgate University, [1920, 91] has retired after completing fifty-one years as teacher of mathematics in that institution.

In the department of mathematics of the University of Michigan, the following promotions are announced: Professors W. H. BUTTS and T. R. RUNNING to full professorships; Professors C. E. LOVE and T. H. HILDEBRANDT to associate professorships; Dr. L. J. ROUSE, Dr. A. L. NELSON, Dr. W. W. DENTON and Dr. R. B. ROBBINS to assistant professorships. Dr. ROBBINS has been granted leave of absence for the year, Mr. NORMAN ANNING, Mr. S. E. FIELD, Mr. K. W. HALBERT, Mr. G. D. JONES, Mr. J. N. LANDIS, and Mr. H. A. SIMMONS have been appointed instructors.

WILLIAM RINCK, professor of mathematics and registrar of Theological School and Calvin College, Grand Rapids, Michigan, and his eleven year old son were instantly killed by the overturning of an automobile on November 11, 1920. Professor Rinck was born October 6, 1877, at Rotterdam, Netherlands. While yet in his early teens America became his home. He was a graduate student in mathematics at the University of Michigan, 1900-1904, and at the University of Chicago, 1905-1906. He had been connected with Calvin College since that time.

Professor E. W. STANTON, fifty years a member of the teaching staff of Iowa State College, died September 12, 1920, at the age of seventy years.

Dr. K. F. W. ROHN, professor of mathematics at the University of Leipzig since 1905, died on August 4, 1920, aged sixty-five years. He is, perhaps, best known to mathematicians through the three volume work (in its third edition, 1906) entitled *Lehrbuch der darstellenden Geometrie* (1893-1896; fourth edition, 1913-1916), which he prepared, after the appearance of the first volume, in collaboration with Dr. E. Papperitz.

Dr. R. H. WEBER, son of the late Heinrich M. Weber (affectionately remembered by American mathematicians), and ordinary honorary professor of applied mathematics at the University of Rostock, died in August, 1920, aged forty-six years. He was appointed extraordinary professor at the University of Rostock in 1907. It will be recalled that he was the author of the sections in Weber and Wellstein, *Encyklopädie der Elementar-Mathematik*, dealing with "Analytische Statik," "Dynamik," and "Elektrische und magnetische Kraftlinien."

ARTHUR SEARLE, Phillips professor of astronomy, emeritus, at Harvard University since 1912, died on October 24, aged eighty-three years. An Englishman by birth but brought to this country at an early age, he and his brother George Mary, also an astronomer (1839-1918), graduated from Harvard within a year of one another. He was assistant at the Harvard Observatory 1869-83, assistant professor of astronomy 1883-87, and Phillips professor of astronomy

1887-1912. He wrote numerous astronomical papers, and a book entitled *Outlines of Astronomy*, 1874 (second edition, 1875); most of several volumes of the *Annals of the Harvard Observatory* (8, 1876; 62, parts 1, 2, 1907, 1911; 65-66, parts 1910; 67; 1912; 77, 1914) were prepared under his direction or written by him. In his little volume *Essays I-XXX*, published in 1910, the discussions are philosophical; essay IV deals with "Consciousness," essay VIII with "Mind and matter," essays XII-XVII with "Space and time," and essay XXX with "Mental diversities."

In addition to the previously listed [1920, 440] sixteen doctorates with mathematics as a major subject, conferred by American universities during the academic year 1919-1920, the following should be listed: H. R. BRAHANA, Princeton, "Curves on surfaces"; E. S. HAMMOND, Princeton, "Periodic conjugate nets of curves."

At the meeting of the American Mathematical Society, held at Columbia University on October 30, 1920, twelve papers were presented, the following speakers being also members of the Association: A. A. BENNETT, R. L. BORGER, O. E. GLENN, T. H. GRONWALL, D. JACKSON, E. KASNER, ELIZABETH LE-STOURGEON, J. LIPKA, H. S. VANDIVER.

At the meeting of the National Academy of Science, at Princeton University on November 17, the following papers were read by members of the Association: "Equipartition of Energy" by E. B. WILSON; "Einstein gravitational fields: orbits and light rays" by E. KASNER; "Knots and Riemann spaces" by J. W. ALEXANDER; "The map coloring problem" by PHILIP FRANKLIN.

At the meeting of the mathematics section of the Virginia State Teachers' Association at Richmond, Va., on November 24, 1920, T. McN. SIMPSON, professor of mathematics at Randolph-Macon College, was elected president for the ensuing year. He delivered a paper on "Mathematics the common denominator of the sciences" which was published in the *Texas Mathematics Teachers' Bulletin*, November, 1920.

At the eighteenth annual meeting of The Association of Teachers of Mathematics in New England, held at the Massachusetts Institute of Technology, December 4, 1920, members of the Association gave the following addresses: "The mathematics of insurance" by Professor C. H. CURRIER; "Graphical methods of computation" by Professor JOSEPH LIPKA.

The Society of American Field Service Fellowships for French Universities offers fellowships for 1921-22, not to exceed twenty-five in number, and each of the value of \$200 plus 10,000 francs. The awards are to be made early in 1921. Further details may be obtained on application to the secretary, Dr. I. L. Kandel, 522 Fifth Avenue, New York City.

A Royal medal has been awarded by the Royal Society to Professor G. H. Hardy, of Oxford University, for his researches in pure mathematics, particularly in the analytical theory of numbers and allied subjects.

Professor Adolf Hurwitz's mathematical library, containing 420 volumes of mathematical works, 370 volumes of periodicals, and 5000 reprints, is offered for sale. Those interested may see a detailed catalogue on applying to Mrs. Hurwitz, Bächtoldstrasse, Zürich, or to the editors of *Acta Mathematica*, Stockholm.